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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/017,972	12/12/2001	Eric C. Fromm	499.711US1	8367
21186 75	590 05/11/2004		EXAMI	NER
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. BOX 2938			KIM, KENNETH S	
MINNEAPOLI			ART UNIT	PAPER NUMBĘR
	•		2111	
			DATE MAILED: 05/11/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	a
•	10/017,972	FROMM, ERIC C.	
Office Action Summary	Examiner	Art Unit	
	Kenneth S KIM	2111	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet wi	th the correspondence addres	s
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a recommendation of the period for reply is specified above, the maximum statutory perions failure to reply within the set or extended period for reply will, by state than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	 In no event, however, may a reply within the statutory minimum of third will apply and will expire SIX (6) MON ute, cause the application to become AE 	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this community ANDONED (35 U.S.C. § 133).	nication.
Status			
1) Responsive to communication(s) filed on 12			
· <u></u>	nis action is non-final.		
Since this application is in condition for allow closed in accordance with the practice under	•	•	rits is
Disposition of Claims			
4) ☐ Claim(s) 1-15 is/are pending in the application 4a) Of the above claim(s) is/are withdred 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-15 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and application Papers 9) ☐ The specification is objected to by the Examination of the drawing(s) filed on is/are: a) ☐ and Applicant may not request that any objection to the specification to the specification of the specification of the specification is objected to by the Examination of the specification is objected to by the Examination of the specification of the specification is objected to by the Examination of the specification of the specification is objected to by the Examination of the specification of the specification to the specification of the specification of the specification is objected to by the Examination of the specification of the specifi	rawn from consideration. I/or election requirement. ner. ccepted or b) objected to		<u>`</u>
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the	•	, ,	• •
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the prapplication from the International Bure * See the attached detailed Office action for a li	ents have been received. ents have been received in A riority documents have been eau (PCT Rule 17.2(a)).	pplication No received in this National Stac	ge
Attachment(s)	0 □	(DTC 440)	
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/C Paper No(s)/Mail Date 	Paper No(s	Summary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152)

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1. Claims 1-15 are presented for examination.

2. The abstract of the disclosure is objected to because the current abstract does not reflect the inventive feature of the claimed invention to distinguish over the prior art. Correction is required. See MPEP § 608:01(b).

All amended abstracts are to be submitted on a **separate sheet** (without the brackets and underlines) in addition to a mark-up copy.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

- 4 Claims 1-15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for filing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- (a) Claim 1, it is not clear what is the difference between the first mask and the second mask.
- (b) Claim 1, it is not clear whether there are several centrifuging steps. (centrifuging using two masks is not taught in the specification).
- (c) Claim 5, it is not clear how the sequence of masks differ from each other.
- (d) Claim 5, it is not clear what is meant by "applying the sequence of masks" (and how the bits are reordered).
- (e) Claims 9 and 13, the same as (c) and (d).

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5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 6. Claims 1 and 3-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Lee et al, U.S. Patent Application Publication No. 2002/0078011.

Lee et al teaches the invention as claimed in claim 1 including a method of reordering bits in a first data element where the destination position of each bit to be ordered is known (fig. 5), comprising:

- (a) forming a first mask (control bits; fig. 7) as a function of the destination position of each bit to be ordered (51, 57; par. 85, line 36),
- (b) forming a second mask as a function of the destination position of each bit to be ordered (50, 57; par. 85, line 33),
- (c) centrifuging (par. 78) the first data element as a function of the first and second masks (pars. 86 and 87), and

further teaches as in claims 3 and 4.

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- (d) centrifuging the first data element as a function of the first mask to form an intermediate data element and centrifuging the intermediate data element as a function of the second mask (pars. 86 and 87) claim 3, and
- (e) providing a hardware centrifuge (14) and passing the first data element and the first mask and passing the intermediate data element and the second mask (pars. 86 and 87) claim 4.

The device claims 5-8, the program product claims 9-12, and the system claims 13-15 are equivalently rejected based on the same reason.

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Shavit et al taught a method of centrifuging bit elements using a mask.

Steele, Jr. (6,629,239) taught a method of centrifuging bit elements using a mask.

Steele, Jr. (6,715,066) taught a method of centrifuging bit elements using a mask.

Steele, Jr. et al (6,618,804) taught a method of centrifuging bit elements using a mask.

Sazegari taught a method of permuting data elements using permute mask and vector table look-up.

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth S KIM whose telephone number is (703) 305-9693. The examiner can normally be reached on M-F (8:30-17:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on (703) 305-4815. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

May 5, 2004

PRIMARY EXAMINER

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